

CLAIMS

What is claimed is:

- 203070 "A34T4091" 10/10/2010
- sub 1. A hollow plastic section, comprising:
- a frame section defining a longitudinal axis and having an interior subdivided in several inner chambers by a plurality of partition walls extending in a direction of the longitudinal axis; and
- a plurality of stiffening elements received in the interior separate from one another, without interconnection, for realizing a reinforcement of the frame section.
- sub 2. The hollow plastic section of claim 1, wherein the stiffening elements have a strip-shaped structure.
3. The hollow plastic section of claim 1, wherein the stiffening elements are made of metal.
4. The hollow plastic section of claim 1, wherein the stiffening elements are formed as bands or strips of fiber-reinforced plastic, with the inner chambers having a relatively small cross section.

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5. The hollow plastic section of claim 4, wherein the stiffening elements have opposite longitudinal sides, wherein one member selected from the group consisting of the longitudinal sides and an area between the longitudinal sides includes means for effecting a positive fit.
6. The hollow plastic section of claim 4, wherein the means for effecting a positive fit includes one of roughening, knurling, punching of the member.
7. The hollow plastic section of claim 1 wherein the stiffening elements have a rectangular cross section.
8. The hollow plastic section of claim 1, wherein the stiffening elements are made of metal and have a surface with high radiation reflection.
9. The hollow plastic section of claim 1, wherein the stiffening elements have a surface provided with a reflective coating.
10. The hollow plastic section of claim 1, wherein the stiffening elements are made of aluminum and are anodized.

11. The hollow plastic section of claim 1, wherein the stiffening elements have opposite longitudinal sides, wherein one member selected from the group consisting of the longitudinal sides and an area between the longitudinal sides includes punchings which are so configured that the stiffening element has a same cross sectional area upon application of any section in a direction transversely to the longitudinal axis of the frame section.

12. The hollow plastic section of claim 11, wherein the punchings are outwardly open, wherein the punchings at one longitudinal edge of the stiffening elements are in offset disposition to the punchings at the other longitudinal edge, wherein a portion formed between neighboring punchings covers a same area as the punching.

13. The hollow plastic section of claim 1, wherein the frame section has exterior walls which form visible surfaces, wherein at least two of the stiffening elements oppose one another and are secured to inner surfaces of the exterior walls.

14. The hollow plastic section of claim 1, wherein the frame section has exterior walls which form visible surfaces, wherein at least two of the stiffening elements oppose one another and are embedded in the exterior walls.

15. The hollow plastic section of claim 1, wherein the stiffening elements are secured to the partition walls which bound the inner chambers.
16. The hollow plastic section of claim 1, wherein the stiffening elements are embedded in the partition walls.
17. The hollow plastic section of claim 1, wherein the stiffening elements form partition walls between two of said inner chambers.
18. The hollow plastic section of claim 2, wherein the strip-shaped stiffening elements have lateral boundary planes which do not intersect any visible surfaces of the frame section.
19. The hollow plastic section of claim 18, wherein the strip-shaped stiffening elements have a sufficient distance to the visible surfaces of the frame section, so that an end zone of the stiffening elements can be worked on with a tool, without damage to the visible surfaces of the frame section.
20. The hollow plastic section of claim 1, wherein some of the stiffening elements extend vertically and some of the stiffening elements extend horizontally at a distance to the vertical stiffening elements.

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21. The hollow plastic section of claim 20, wherein the horizontal stiffening elements are provided only in an area of a portion of the frame section.

22. The hollow plastic section of claim 1, wherein the frame section includes a receiving pocket receiving a loosely insertable attachment profile for a fitting.

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